

Practice 1-2 The Order of Operations

#6

Simplify each expression.

1. $3 + 15 - 5 \cdot 2$ _____

2. $5 \cdot 6 + 2 \cdot 4$ _____

3. $48 \div 8 - 1$ _____

4. $68 - 12 \div 2 \div 3$ _____

5. $6(2 + 7)$ _____

6. $25 - (6 \cdot 4)$ _____

7. $3[9 - (6 - 3)] - 10$ _____

8. $60 \div (3 + 12)$ _____

9. $4 - 2 + 6 \cdot 2$ _____

10. $18 \div (5 - 2)$ _____

11. $\frac{16 + 24}{30 - 22}$ _____

12. $2[4(9 - 7) + 1]$ _____

13. $(8 \div 8 + 2 + 11) \div 2$ _____

14. $9 + 3 \cdot 4$ _____

15. $18 \div 3 \cdot 5 - 4$ _____

16. $10 + 28 \div 14 - 5$ _____

Insert grouping symbols to make each number sentence true.

17. $3 + 5 \cdot 8 = 64$

18. $4 \cdot 6 - 2 + 7 = 23$

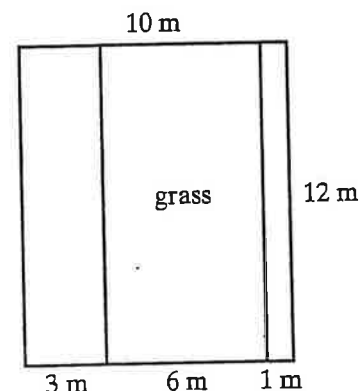
19. $10 \div 3 + 2 \cdot 4 = 8$

20. $3 + 6 \cdot 2 = 18$

A city park has two walkways with a grassy area in the center, as shown in the diagram.

21. Write an expression for the area of the sidewalks, using subtraction.

22. Write an expression for the area of the sidewalks, using addition.



Compare. Use $>$, $<$, or $=$ to complete statement.

23. $(24 - 8) \div 4$ ☐ $24 - 8 \div 4$

24. $3 \cdot (4 - 2) \cdot 5$ ☐ $3 \cdot 4 - 2 \cdot 5$

25. $(22 + 8) \div 2$ ☐ $22 + 8 \div 2$

26. $20 \div 2 + 8 \cdot 2$ ☐ $20 \div (2 + 8) \cdot 2$

27. $11 \cdot 4 - 2$ ☐ $11 \cdot (4 - 2)$

28. $(7 \cdot 3) - (4 \cdot 2)$ ☐ $7 \cdot 3 - 4 \cdot 2$

